

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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<b>Complete if Known</b>	
<b>Application No.</b>	10/642,532
<b>Filing Date</b>	August 15, 2003
<b>First Named Inventor</b>	Robert L. Rae
<b>Art Unit</b>	2614
<b>Examiner Name</b>	Antim G. Shah

Attorney Docket Number

18279-14445

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document No.	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-7,360,090	04-15-2008	Doskow et al.
	A2	US-7,360,087	04-15-2008	Jorgensen et al.
	A3	US-7,302,053	11-27-2007	Chang et al.
	A4	US-7,085,359	08-01-2006	Crites et al.
	A5	US-7,046,782	05-16-2006	Miller
	A6	US-7,042,992	05-09-2006	Falcone et al.
	A7	US-7,039,171	05-02-2006	Gickler
	A8	US-6,920,209	07-19-2005	Gainsboro
	A9	US-6,904,139	06-07-2005	Brown et al.
	A10	US-6,876,647	04-05-2005	Celi Jr.
	A11	US-6,816,469	11-09-2004	Kung et al.
	A12	US-6,795,444	09-21-2004	Vo et al.
	A13	US-6,788,775	09-07-2004	Simpson
	A14	US-6,731,630	05-04-2004	Schuster et al.
	A15	US-6,687,360	02-03-2004	Kung et al.
	A16	US-6,665,380 B1	12-16-2003	Cree et al.
	A17	US-6,654,722 B1	11-25-2003	Aldous et al.
	A18	US-6,611,583 B1	08-26-2003	Gainsboro
	A19	US-6,560,325	05-06-2003	Brown et al.
	A20	US-6,560,323	05-06-2003	Gainsboro
	A21	US-6,553,336	04-22-2003	Johnson et al.
	A22	US-6,529,602	03-04-2003	Walker et al.
	A23	US-6,529,500	03-04-2003	Pandharipande
	A24	US-6,496,477	12-17-2002	Perkins et al.
	A25	US-6,445,682	09-03-2002	Weitz
	A26	US-6,404,870	06-11-2002	Kia
	A27	US-6,404,857	06-11-2002	Blair et al.
	A28	US-6,381,321	04-30-2002	Brown et al.

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	A29	US-6,366,653	04-02-2002	Yeh et al.
	A30	US-6,249,570	06-19-2001	Glowny et al.
	A31	US-6,188,751	02-13-2001	Scherer
	A32	US-6,169,789	01-02-2001	Rao et al.
	A33	US-RE37,073	02-27-2001	Hammond
	A34	US-6,141,406	10-31-2000	Johnson
	A35	US-6,134,320	10-17-2000	Swan et al.
	A36	US-6,097,804	08-01-2000	Gilbert et al.
	A37	US-6,075,843	06-13-2000	Cave
	A38	US-6,072,860	06-06-2000	Kek et al.
	A39	US-6,064,963	05-16-2000	Gainsboro
	A40	US-6,031,895	02-29-2000	Cohn et al.
	A41	US-5,960,064	09-28-1999	Foladare et al.
	A42	US-5,943,403	08-24-1999	Richardson Jr. et al.
	A43	US-5,946,386	08-31-1999	Rogers et al.
	A44	US-5,937,042	08-10-1999	Sofman
	A45	US-5,926,533	07-20-1999	Gainsboro
	A46	US-5,923,746	07-13-1999	Baker et al.
	A47	US-5,907,602	05-25-1999	Peel et al.
	A48	US-5,883,945	03-16-1999	Richardson Jr. et al.
	A49	US-5,875,230	02-23-1999	Ganley et al.
	A50	US-5,867,559	02-02-1999	Jorgensen et al.
	A51	US-5,862,519	01-19-1999	Sharma et al.
	A52	US-5,859,907	01-12-1999	Kawahara et al.
	A53	US-5,844,978	12-01-1998	Reuss et al.
	A54	US-5,809,125	09-15-1998	Gammino
	A55	US-5,805,685	09-08-1998	McFarlen
	A56	US-5,799,068	08-25-1998	Kikinis et al.

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	A57	US-5,796,811	08-18-1998	McFarlen
	A58	US-5,777,558	07-07-1998	Pennypacker et al.
	A59	US-5,768,355	06-16-1998	Salibrici et al.
	A60	US-5,757,781	05-26-1998	Gilman et al.
	A61	US-5,745,558	04-28-1998	Richardson Jr. et al.
	A62	US-5,745,553	04-28-1998	Mirville et al.
	A63	US-5,742,905	04-21-1998	Pepe et al.
	A64	US-5,724,404	03-03-1998	Garcia et al.
	A65	US-5,722,418	03-03-1998	Bro
	A66	US-5,655,013	08-05-1997	Gainsboro
	A67	US-5,651,056	07-22-1997	Eting et al.
	A68	US-5,634,126	05-27-1997	Norell
	A69	US-5,627,887	05-06-1997	Freedman
	A70	US-5,619,561	04-08-1997	Reese
	A71	US-5,617,471	04-01-1997	Rogers et al.
	A72	US-5,606,604	02-25-1997	Rosenblatt et al.
	A73	US-5,583,934	12-10-1996	Zhou
	A74	US-5,583,920	12-10-1996	Wheeler Jr.
	A75	US-5,566,229	10-15-1996	Hou et al.
	A76	US-5,577,116	11-19-1996	Townsend et al.
	A77	US-5,566,229	10-15-1996	Hou et al.
	A78	US-5,544,231	08-06-1996	Cho
	A79	US-5,539,812	07-23-1996	Kitchin et al.
	A80	US-5,535,261	07-09-1996	Brown et al.
	A81	US-5,524,145	06-04-1996	Parker
	A82	US-5,524,141	06-04-1996	Braun et al.
	A83	US-5,504,810	04-02-1996	McNair
	A84	US-5,497,414	03-05-1996	Bartholomew

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	A85	US-5,485,507	01-16-1996	Brown et al.
	A86	US-5,483,593	01-09-1996	Gupta et al.
	A87	US-5,483,582	01-09-1996	Pugh et al.
	A88	US-5,473,686	12-05-1995	Virdee
	A89	US-5,471,519	11-28-1995	Howe et al.
	A90	US-5,465,387	11-07-1995	Mukherjee
	A91	US-5,465,293	11-07-1995	Chiller et al.
	A92	US-5,461,665	10-24-1995	Shur et al.
	A93	US-5,455,819	01-03-1995	Sugiyama
	A94	US-5,452,347	09-19-1995	Iglehart et al.
	A95	US-5,450,485	09-12-1995	Hamilton
	A96	US-5,442,696	08-15-1995	Lindberg et al.
	A97	US-5,428,662	06-27-1995	Hamilton
	A98	US-5,425,087	06-13-1995	Gerber et al.
	A99	US-5,416,831	05-16-1995	Chewning III et al.
	A100	US-5,394,465	02-28-1995	Jo
	A101	US-5,381,474	01-10-1995	Lahdemaki et al.
	A102	US-5,375,161	12-20-1995	Fuller et al.
	A103	US-5,369,699	11-29-1994	Page et al.
	A104	US-5,355,403	10-11-1994	Richardson Jr. et al.
	A105	US-5,351,287	09-27-1994	Bhattacharyya et al.
	A106	US-5,351,285	09-27-1994	Katz
	A107	US-5,345,595	09-06-1994	Johnson et al.
	A108	US-5,345,501	09-06-1994	Shelton
	A109	US-5,335,266	08-02-1994	Richardson Jr. et al.
	A110	US-5,333,181	07-26-1994	Biggs
	A111	US-5,329,578	07-12-1994	Brennan et al.
	A112	US-5,327,489	07-05-1994	Anderson et al.

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	A113	US-5,325,427	06-28-1994	Dighe
	A114	US-5,325,421	06-28-1994	Hou et al.
	A115	US-5,323,448	06-21-1994	Biggs et al.
	A116	US-5,321,754	06-14-1994	Fisher et al.
	A117	US-5,319,702	06-07-1994	Kitchin et al.
	A118	US-5,319,701	06-07-1994	Hird et al.
	A119	US-5,311,589	05-10-1994	Bennett et al.
	A120	US-5,309,505	05-03-1994	Szlam et al.
	A121	US-5,305,312	04-19-1994	Fornek et al.
	A122	US-5,287,401	02-15-1994	Lin
	A123	US-5,283,829	02-01-1994	Anderson
	A124	US-5,283,825	02-01-1994	Druckman et al.
	A125	US-5,276,731	01-04-1994	Arbel et al.
	A126	US-5,274,698	12-28-1993	Jang
	A127	US-5,229,764	07-20-1993	Matchett et al.
	A128	US-5,222,120	06-22-1993	McLeod et al.
	A129	US-5,220,501	06-15-1993	Lawlor et al.
	A130	US-5,218,636	06-08-1993	Hamilton
	A131	US-5,216,702	06-01-1993	Ramsden
	A132	US-5,210,789	05-11-1993	Jeffus et al.
	A133	US-5,200,995	04-06-1993	Gaukel et al.
	A134	US-5,193,110	03-09-1993	Jones et al.
	A135	US-5,187,740	02-16-1993	Swaim et al.
	A136	US-5,181,237	01-19-1993	Dowden et al.
	A137	US-5,164,989	11-17-1992	Brandman et al.
	A138	US-5,163,083	11-10-1992	Dowden et al.
	A139	US-5,155,761	10-13-1992	Hammond
	A140	US-5,153,907	10-06-1992	Pugh et al.

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	A141	US-5,150,357	09-22-1992	Hopner et al.
	A142	US-5,134,651	07-28-1992	Ortiz et al.
	A143	US-5,131,024	07-14-1992	Pugh et al.
	A144	US-5,109,405	04-28-1992	Morganstein
	A145	US-5,093,858	03-03-1992	Hird et al.
	A146	US-5,063,593	11-05-1991	Kwon
	A147	US-5,054,059	10-01-1991	Stern et al.
	A148	US-5,033,088	07-16-1991	Shipman
	A149	US-5,023,906	06-11-1991	Novas
	A150	US-5,023,869	06-11-1991	Grover et al.
	A151	US-5,022,067	06-04-1991	Hughes
	A152	US-5,020,095	05-28-1991	Morganstein et al.
	A153	US-5,008,923	04-16-1991	Kitamura et al.
	A154	US-5,003,595	03-26-1991	Collins et al.
	A155	US-4,993,068	02-12-1991	Piosenka et al.
	A156	US-4,991,203	02-05-1991	Kakizawa
	A157	US-4,979,214	12-18-1990	Hamilton
	A158	US-4,947,425	08-07-1990	Grizmala et al.
	A159	US-4,947,422	08-07-1990	Smith et al.
	A160	US-4,944,001	07-24-1990	Kizuik et al.
	A161	US-4,943,995	07-24-1990	Daudelin et al.
	A162	US-4,937,862	06-26-1990	Kosich
	A163	US-4,937,856	06-26-1990	Natarajan
	A164	US-4,933,967	06-12-1990	Lo et al.
	A165	US-4,933,966	06-12-1990	Hird et al.
	A166	US-4,932,062	06-05-1990	Hamilton
	A167	US-4,924,501	05-08-1990	Cheeseman et al.
	A168	US-4,924,488	05-08-1990	Kosich

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	A169	US-4,922,520	05-01-1990	Bernard et al.
	A170	US-4,922,519	05-01-1990	Daudelin
	A171	US-4,920,562	04-24-1990	Hird et al.
	A172	US-4,916,733	04-10-1990	Smith et al.
	A173	US-4,908,852	03-13-1990	Hird et al.
	A174	US-4,901,341	02-13-1990	Carter et al.
	A175	US-4,899,375	02-06-1990	Bauer et al.
	A176	US-4,899,358	02-06-1990	Blakley
	A177	US-4,896,348	01-23-1990	Grantland et al.
	A178	US-4,890,317	12-26-1989	Hird et al.
	A179	US-4,885,765	12-05-1989	Shirakawa
	A180	US-4,868,873	09-19-1989	Kamil
	A181	US-4,850,011	07-18-1989	Delmege et al.
	A182	US-4,825,460	04-25-1989	Carter et al.
	A183	US-4,815,120	03-21-1989	Kosich
	A184	US-4,803,718	02-07-1989	Neil et al.
	A185	US-4,802,207	01-31-1989	Uchida
	A186	US-4,799,255	01-17-1989	Billinger et al.
	A187	US-4,797,910	01-10-1989	Daudelin
	A188	US-4,794,642	12-27-1988	Arbabzadah et al.
	A189	US-4,791,640	12-13-1988	Sand
	A190	US-4,782,516	11-01-1988	Maybach et al.
	A191	US-4,777,647	10-11-1988	Smith et al.
	A192	US-4,769,834	09-06-1988	Billinger et al.
	A193	US-4,768,227	08-30-1988	Dively et al.
	A194	US-4,768,223	08-30-1988	Kinoshita et al.
	A195	US-4,766,604	08-23-1988	Axberg
	A196	US-4,763,350	08-09-1988	Immendorfer et al.

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Examiner Initials*	Cite No. <sup>1</sup>	Document No.	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A197	US-4,746,786	05-24-1988	Heberle et al.
	A198	US-4,737,982	04-12-1988	Boratgis et al.
	A199	US-4,736,405	04-05-1988	Akiyama
	A200	US-4,731,818	03-15-1988	Clark Jr. et al.
	A201	US-4,727,577	02-23-1988	Frey et al.
	A202	US-4,726,057	02-16-1988	Doerry et al.
	A203	US-4,723,273	02-02-1988	Diesel et al.
	A204	US-4,712,230	12-08-1987	Rice et al.
	A205	US-4,698,840	10-06-1987	Dively et al.
	A206	US-4,696,031	09-22-1987	Freudberg et al.
	A207	US-4,696,028	09-22-1987	Morganstein et al.
	A208	US-4,686,699	08-11-1987	Wilkie
	A209	US-4,644,109	02-17-1987	Takeda et al.
	A210	US-4,629,829	12-16-1986	Puhl et al.
	A211	US-4,626,630	12-02-1986	Waldman
	A212	US-4,602,129	07-22-1986	Matthews et al.
	A213	US-4,595,983	06-17-1986	Gehalo et al.
	A214	US-4,593,157	06-03-1986	Usdan
	A215	US-4,585,904	04-29-1986	Mincone et al.
	A216	US-4,559,416	12-17-1985	Theis et al.
	A217	US-4,552,996	11-12-1985	de Bergh
	A218	US-4,540,855	09-10-1985	Szlam et al.
	A219	US-4,538,030	08-27-1985	Fossett et al.
	A220	US-4,518,825	05-21-1985	Brinkerhoff et al.
	A221	US-4,477,698	10-16-1984	Szlam et al.
	A222	US-4,445,211	04-24-1984	Webber
	A223	US-4,439,636	03-27-1984	Newkirk et al.
	A224	US-4,405,833	09-20-1983	Cave et al.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

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<b>Complete if Known</b>	
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<b>Filing Date</b>	August 15, 2003
<b>First Named Inventor</b>	Robert L. Rae
Art Unit	2614
Examiner Name	Antim G. Shah

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Examiner Initials*	Cite No. <sup>1</sup>	Document No.	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A225	US-4,839,917	06-13-1989	Oliver
	A226	US-4,387,274	06-07-1983	Stein et al.
	A227	US-4,371,752	02-01-1983	Matthews et al.
	A228	US-4,333,056	06-01-1982	Cave
	A229	US-4,326,123	04-20-1982	Hosterman
	A230	US-4,319,091	03-09-1982	Meri
	A231	US-4,310,726	01-12-1982	Asmuth
	A232	US-4,196,317	04-01-1980	Bartelink
	A233	US-4,188,508	02-12-1980	Rogers et al.
	A234	US-4,156,799	05-29-1979	Cave
	A235	US-4,122,308	10-24-1978	Weinberger et al.
	A236	US-4,055,730	10-25-1977	Stapleford et al.
	A237	US-4,054,756	10-18-1977	Comella et al.
	A238	US-4,027,109	05-31-1977	Smith et al.
	A239	US-4,002,848	01-11-1977	Stein
	A240	US-4,001,513	01-04-1977	Naylor
	A241	US-3,997,731	12-14-1976	Wilmot et al.
	A242	US-3,985,956	10-12-1976	Monti et al.
	A243	US-3,952,160	04-20-1976	Pasternack et al.
	A244	US-3,864,519	02-04-1975	Owen
	A245	US-3,851,121	11-26-1974	Marvin
	A246	US-3,829,617	08-13-1974	Caithamer et al.
	A247	US-3,813,495	05-28-1974	Conerly
	A248	US-3,798,382	03-19-1974	Hoven
	A249	US-3,676,605	07-11-1972	Johnson
	A250	US-3,660,610	05-02-1972	Hestad et al.
	A251	US-3,626,107	12-07-1971	Armstrong et al.
	A252	US-3,398,288	08-20-1968	Sanders et al.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

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Examiner Initials*	Cite No. <sup>1</sup>	Number – Kind Code <sup>2</sup> (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A253	US-3,397,288	08-13-1968	Semon
	A254	US-3,350,515	10-31-1967	Semon
	A255	US-3,113,185	12-03-1963	Semon
	A256	US-3,096,404	07-02-1963	Semon
	A257	US-2008/0040780 A1	02-14-2008	Reinhold
	A258	US-2007/0263812 A1	11-15-2007	Polozola et al.
	A259	US-2007/0242658 A1	10-18-2007	Rae et al.
	A260	US-2007/0115924 A1	05-24-2007	Schneider et al.
	A261	US-2007/0071206 A1	03-29-2007	Gainsboro et al.
	A262	US-2006/0286962 A1	12-21-2006	Davis
	A263	US-2006/0285650 A1	12-21-2006	Hodge
	A264	US-2006/0209797 A1	09-21-2006	Anisimov et al.
	A265	US-2002/0071537 A1	06-13-2002	Gainsboro
	A266	US-2001/0041590 A1	11-15-2001	Silberfenig et al.
	A267	US-2001/0036821 A1	11-01-2001	Gainsboro et al.

**FOREIGN PATENT DOCUMENTS**

		Foreign Patent Document			
Examiner Initials*	Cite No. <sup>1</sup>	Country Code <sup>3</sup> – Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup>
	B1	EP 0185365 A1	06-25-1986	GMT Automatic A/S	
	B2	EP 0814583 A2	12-29-1997	International Business Machines Corporation	
	B3	FR 2600850	12-31-1987	Hedin	
	B4	GB 2134749 A	08-15-1984	Mildwater	
	B5	JP 63-033054	12-02-1994	Sony Electron Inc.	
	B6	JP 63-03305	10-28-1994	Fujitsu Ltd.	
	B7	JP 5-30193	02-05-1993	NEC Corp.	
	B8	WO 00/54491 A1	09-14-2000	Novak	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

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	B9	WO 98/13993 A1	04-02-1998	British Telecomm.	
	B10	WO 97/22208 A2	06-19-1997	Norther Telecom Ltd.	
	B11	WO 96/20448 A1	07-04-1996	Southwest Bell Tech Resources	

## OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>6</sup>
	C1	Anderson, Susan, "Three-Way Call Detect... Close Enough to Perfect?" Correctional Communications Quarterly, pp. 16-20, Oct. 1993	
	C2	Bahl, L. "A Maximum Likelihood Approach to Continuous Speech Recovery," Readings in Speech Recognition, Ed. A. Waibel and K. Lee, Morgan Kaufmann Publishers, pp. 308-319, IEEE 1983	
	C3	Batten, A. "Personal Communications Service and the Intelligent Network," British Telecommunications Engineering, vol. 9, pp. 88-91, Aug. 1990	
	C4	DPD/120-JP Product on Display at Communications Tokyo '01, Apr. 2-5, 1991 (Product described in U.S. Patent No. 5,218,636)	
	C5	European Examination Report, EP07251570.3, May 29, 2008, 5 pages.	
	C6	Exhibits A-N, Various materials compiled by Applicants	
	C7	HR Solutions, <a href="http://www.solutions.hrd.com/methods_of_electronic_monitoring.htm">http://www.solutions.hrd.com/methods_of_electronic_monitoring.htm</a> , p. 4 of 5, Telephone Surveillance	
	C8	Jones International, <a href="http://www.jonesencyclo.com/encyclo/update/ecpa.html">http://www.jonesencyclo.com/encyclo/update/ecpa.html</a> , 1-7, Electronic Communications Privacy Act	
	C9	LazerVoice, Digital Recording System Inmate Services, 1997-1998, Schlumberger Technologies, Inc. / LazerVoice STIL V0222 LazerVoice User's Manual - Version 2.22, pp. 1-41, published April 28, 1998 by Schlumberger Technologies, Inc./LazerVoice of Mobile, Alabama.	
	C10	"LazerPhone User Reference Manual," 150 pages, edition and publisher unknown	
	C11	"LazerPhone Inmate Telephone System, Users Manual version 1.0," pp. 1-29, published Oct. 1998 by Schlumberger Technologies, Inc./Global Tel*Link of Mobile, Alabama.	
	C12	LazerPhone, Powerful Performance Uncompromising Standards, 1998	
	C13	LazerPhone Technical Manual, "Chapter I. System Overview," pp. 1.1-1.6, published by Schlumberger Technologies, Inc. of Mobile, Alabama	

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--------------------	--	-----------------	--

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	C14	Lee, K., "Large-Vocabulary Speaker-Independent Continuous Speech Recognition Using HMM," Carnegie Mellon University Department of Electrical and Computer Engineering, CMU-CS-88-148, Apr. 1988.	
	C15	Manual for "DPD/120-JP Dial Pulse Detection Board," Dialogic Systems Ltd., Tokyo, Japan, (Product described in U.S. Patent No. 5,218,636), undated.	
	C16	OSSGR, vol. 3, "Feature Specific Documents," Technical Ref. TSY-000271 FSD 85-01-0100 Calling Card Service - Published by Bell Communications Research-Revision #3, Dated Mar. 1988	
	C17	OSSGR, vol. 3, "Feature Specific Documents," Technical Ref. TSY-000271 FSD-85-01-0200 Collect Billing - Published by Bell Communications Research-Revision #3 Dated Mar. 1988	
	C18	PCT International Search Report, PCT/US99/09493, August 20, 1999, 5 pages.	
	C19	PCT Written Opinion, PCT/US99/09493, February 9, 2000, 12 pages.	
	C20	"PPCS (Prison Prepaid Card System)", DiaVox Technologies, Inc., November 2000, 10 pages.	
	C21	Scidyn Commander 3-Way Call Detection System [online] [Retrieved on 6/20/2006] Retrieved from: <a href="http://www.scidyn.com/products/Commander%203-way%20Detection.pdf">http://www.scidyn.com/products/Commander%203-way%20Detection.pdf</a> , 5 pages.	
	C22	"System 20" Value Added Communications (VAC), Nov. 1992, Brochure (4 pages)	
	C23	Telematic "ConQuest III Inmate Telephone System," Nov. 1992	
	C24	THERMOS, P., "Two Attacks Against VoIP," Security Focus, XP-002444627, 2006-04-04, pp. 1-8.	
	C25	U.S. patent application No. 09/229,385, Cree et al., filed Jan. 1999 (Reference not included).	
	C26	U.S. patent application No. 11/777,168, Rae et al., Entitled "Inmate Management and Call Processing Systems and Methods," filed 2007-07-12 (Reference not included).	
	C27	U.S. patent application No. 09/905,014, filed 2001-07-13 (Reference not included).	
	C28	U.S. patent application No. 11/403,547, filed 2006-04-13 (Reference not included).	
	C29	U.S. patent application No. 10/646,638, filed 2003-08-22 (Reference not included).	
	C30	U.S. patent application No. 10/800,473, filed 2004-03-15 (Reference not included).	
	C31	U.S. publication No. 2003/0133558, Kung et al., Published 2003-07-17, (Reference not included).	
	C32	U.S. publication No. 2002/0141386, Minert et al., Published 2002-10-03, (Reference not included).	
	C33	U.S. publication No. 2001/0028649, Pogossiants et al., Published 2001-10-11, (Reference not included).	
	C34	U.S. publication No. 2003/0023714, Zeigler et al., Published 2003-01-30, (Reference not included).	
	C35	"VoIP the Evolving Solution and the Evolving Threat," Internet Security Systems, Inc., XP-002444626, 2004, pp. 1-7.	

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